



■ **Features**

- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- 1U low profile
- Withstand 5G vibration test
- LED indicator for power on
- No load power consumption < 0.75W
- 100% full load burn-in test
- High operating temperature up to 70°C
- Operating altitude up to 5000 meters (Note.8)
- High efficiency, long life and high reliability

■ **Applications**

- Industrial automation machinery
- Industrial control system
- Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus

■ **Description:**

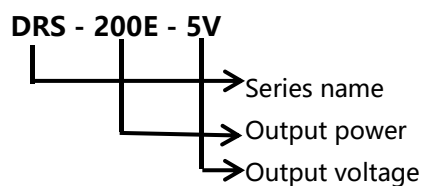
DRS-200E is a 200W single-output enclosed type power supply with 30mm of low profile design. Adopting the input of 230VAC, provide an output voltage of 5V.

In addition to the high efficiency up to 90%, the design of mesh case enhances the heat dissipation of DRS-200E that whole series operates from -25°C to 70°C under air convection without a fan.

Delivering and extremely low no load power consumption (less than 0.75W), it allows the end system to easily meet the worldwide energy requirement.

DRS-200E serves as a high price-to-performance power supply solution for various industrial applications.

■ **Model Encoding:**



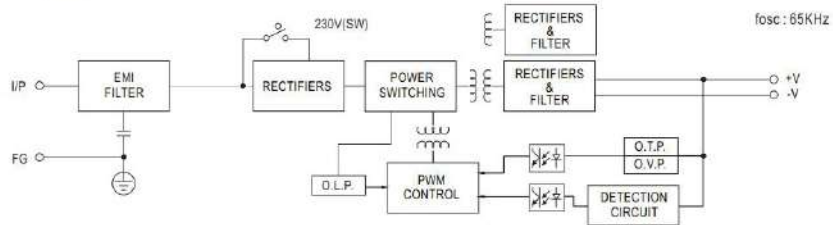


SPECIFICATION

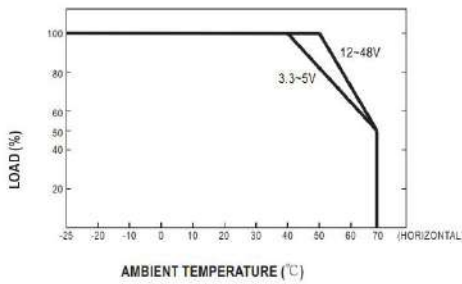
MODEL		DRS-200-5						
OUTPUT	DC VOLTAGE	5V						
	RATED CURRENT	40A						
	CURRENT RANGE	0 ~ 40A						
	RATED POWER	200W						
	RIPPLE & NOISE (max.) Note.2	150mVp-p						
	VOLTAGE ADJ. RANGE	4.5 ~ 5.5V						
	VOLTAGE TOLERANCE Note.3	± 3.0%						
	LINE REGULATION Note.4	± 0.5%						
	LOAD REGULATION Note.5	± 2.0%						
	SETUP, RISE TIME	1500ms, 50ms/230VAC						
	HOLD UP TIME (Typ.)	16ms/230VAC						
INPUT	VOLTAGE RANGE	180 ~ 264VAC						
	FREQUENCY RANGE	60Hz						
	EFFICIENCY (Typ.)	88%						
	AC CURRENT (Typ.)	2.2A/230VAC						
	INRUSH CURRENT (Typ.)	COLD STAR 60A/230VAC						
	LEAKAGE CURRENT	<2mA / 240VAC						
PROTECTION	OVER LOAD	110 ~ 140% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed						
	OVER VOLTAGE	5.75 ~ 6.75V Protection type : Hiccup mode, recovers automatically after fault condition is removed						
	OVER TEMPERATURE	Hiccup mode, recovers automatically after fault condition is removed						
ENVIRONMENT	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH						
	TEMP. COEFFICIENT	± 0.03%/°C (0 ~ 50°C)						
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes						
SAFETY	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH						
OTHERS	MTBF	347.5K hrs min. MIL-HDBK-217F (25°C)						
	DIMENSION	215*115*30mm (L*W*H)						
	PACKING	0.66Kg, 30pcs/19.8Kg/0.78CUFT						



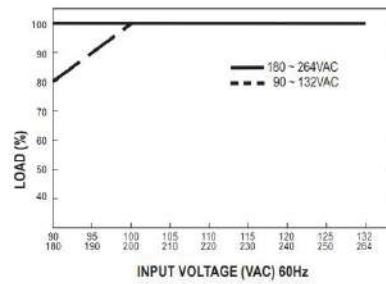
■ Block Diagram



■ Derating Curve



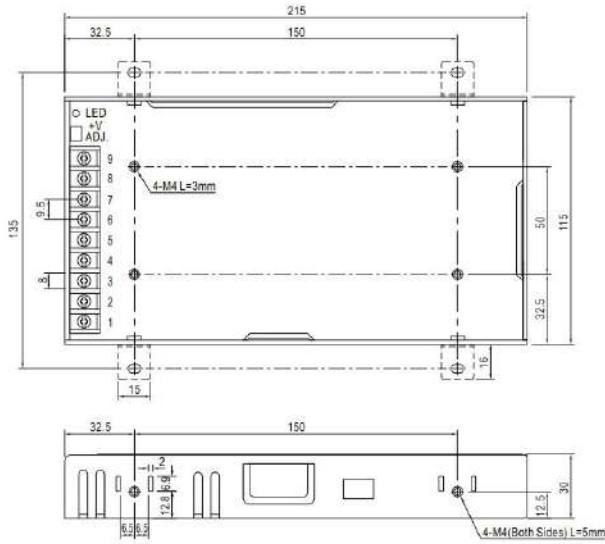
■ Static Characteristics





■ Mechanical Specification

Case No. 207 Unit:mm



Terminal Pin No. Assignment:

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4-6	DC OUTPUT -V
2	AC/N	7-9	DC OUTPUT +V
3	FG ±		